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AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. - 8. (Canceled)

9. (New) Method for examining an ocular fundus, comprising generating images of the ocular fundus by means of a camera and/or an illumination unit, evaluating quality of the images, comparing the images with image patterns corresponding to one or more diseases to determine, with a degree of certitude, whether the images are classifiable as indicating one or more of said diseases, and controlling position of at least one of the camera and the illumination unit optimally for further evaluating quality of the images and degree of certitude of classification of the images as indicating said one or more diseases.

10. (New) Method according to claim 9, wherein said controlling is over a closed control circuit to a control unit of said camera and/or illumination unit and said position controlling and further evaluating are repeated until the certitude of the disease classification is satisfactory.

11. (New) Method according to claim 9 or 10, wherein said comparing generates parameters for new position settings of said camera and/or illumination unit.

12. (New) Method according to claim 9 or 10, wherein the classification is performed by means of a pattern recognition algorithm.

13. (New) Method according to claim 9 or 10, wherein said control of the position of said camera and/or illumination unit is via the pattern recognition algorithm.

14. (New) Method according to claim 10, wherein a laser comprises said camera and/or illumination unit, a beam from the laser scans the ocular fundus, and a scanning area and/or focus of the laser beam and/or intensity of the laser beam is changed under control of the control unit.

15. (New) Method according to claim 14, wherein the change of the scanning area and/or the focus of the laser beam is effected by optics.

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16. (New) Method according to claim 9 or 10, wherein the comparing is effected by means of a computer.